

Application No. 10/712,978
Reply to Office Action of 04 May, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1-33. (Cancelled)

34. (Currently amended) An article for fluid transport comprising:
a substrate having at least one fluid transport structure;
~~at least one adhesive article heat sealed to the substrate and covering the at least one fluid transport structure, the adhesive article comprising:~~
a base layer having a first and second surface; and
at least one coating layer on at least one surface of a base layer, the coating layer comprising: (A) at least one adhesive resin and (B) at least one hydrophilic polymer, at least one surfactant or a combination of at least one hydrophilic polymer and at least one surfactant, with the proviso that when (B) is only a surfactant, then the coating layer contains less than about 40% by weight polyurethane; and wherein the hydrophilic polymer is selected from cellulosic polymers, polyvinyl alcohol, polyvinyl pyrrolidone, dextran, nylons, polyamides, hydroxyethyl methacrylate, starches and gelatins; and
wherein the at least one adhesive article is heat sealed to the substrate and covers the at least one fluid transport structure and the coating layer is positioned to contact the fluid of the fluid transport structure.

35. (Original) The article of claim 34, wherein the coating layer comprises at least one adhesive resin and at least one hydrophilic polymer.

36. (Original) The article of claim 35, wherein the coating layer comprises from about 30% to about 99% by weight adhesive resin and from about 1% to about 70% by weight hydrophilic polymer.

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37. (Original) The article of claim 34, wherein the coating layer comprises at least one adhesive resin and at least one surfactant.

38. (Original) The article of claim 37, wherein the coating layer comprises from about 70% to about 99.9% by weight adhesive resin and from about 0.1% to about 30% by weight surfactant.

39. (Original) The article of claim 34, wherein the coating layer comprises at least one adhesive resin, at least one hydrophilic polymer and at least one surfactant.

40. (Previously presented) The article of claim 34, wherein the coating layer comprises from about 10% to about 90% by weight adhesive resin, from about 10% to about 90% by weight hydrophilic polymer, and from about 0.1% to about 10% by weight surfactant.

41. (Original) A biosensor comprising:

a base plate having an electrode system;

a sample space formed on the base plate, the sample space being formed in such a manner as to enable the input of a sample;

a reaction layer located in the sample space; and

a cover for covering the top portion of the sample space, the cover being formed from an adhesive article, wherein the adhesive article comprises:

a base layer having a first and second surface; and

at least one coating layer on at least one surface of a base layer, the coating layer comprising: (A) at least one adhesive resin and (B) at least one hydrophilic polymer, at least one surfactant or a combination of at least one hydrophilic polymer and at least one surfactant, with the proviso that when (B) is only a surfactant, then the coating layer contains less than about 40% by weight polyurethane.

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42. (Original) The biosensor of claim 41, wherein the coating layer comprises at least one adhesive resin and at least one hydrophilic polymer.

43. (Original) The biosensor of claim 42, wherein the coating layer comprises from about 30% to about 99% by weight adhesive resin and from about 1% to about 70% by weight hydrophilic polymer.

44. (Original) The biosensor of claim 41, wherein the coating layer comprises at least one adhesive resin and at least one surfactant.

45. (Original) The biosensor of claim 44, wherein the coating layer comprises from about 70% to about 99.9% by weight adhesive resin and from about 0.1% to about 30% by weight surfactant.

46. (Original) The biosensor of claim 41, wherein the coating layer comprises at least one adhesive resin, at least one hydrophilic polymer and at least one surfactant.

47. (Original) The biosensor of claim 46, wherein the coating layer comprises from about 10% to about 90% by weight adhesive resin, from about 10% to about 90% by weight hydrophilic polymer, and from about 0.1% to about 10% by weight surfactant.

Claims 48-52. (Canceled)

53. (New) The biosensor of claim 41 further comprising an insulating layer formed over at least a portion of the base plate.

54. (New) The biosensor of claim 41 further comprising an insulating layer formed over at least a portion of the base plate and a portion of the electrode system.

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55. (New) The biosensor of claim 41 wherein the sample space is formed by the cover and at least one spacer between the cover and the substrate.

56. (New) The biosensor of claim 55 wherein the at least one spacer comprises two or more individual pieces.

57. (New) The article of claim 34 wherein the adhesive article is positioned to form a space within the fluid transport structure.

58. (New) The article of claim 34 wherein the adhesive article is positioned on at least one spacer to form a space within the fluid transport structure.

59. (New) The article of claim 58 wherein the space is formed by the adhesive article and the at least one spacer between the adhesive article and the substrate.

60. (New) The article of claim 58 wherein the at least one spacer comprises two or more individual pieces.